

CLAIMS

- 5 1. Reinforcing and/or process fibres based on vegetable fibres whose elementary fibres are fibrillated, characterized in that the elementary fibres have a fibril content greater than 3 area per cent and less than 50 area per cent.
- 10 2. Fibres according to Claim 1, characterized in that the fibres are based on flax, hemp, sisal, jute or ramie fibres.
- 15 3. Reinforcing and/or process fibres comprising a mixture of fibres according to Claim 1 or 2 and fibrillated aramid fibres.
- 20 4. Fibres according to Claim 3, characterized in that the weight fraction of the fibres according to Claim 1 or 2 is between 10% and 90%.
- 25 5. Fibres according to Claim 3 or 4, characterized in that the weight fraction of the fibres according to Claim 1 or 2 is between 50% and 80%.
- 30 6. Reinforcing and/or process fibres comprising a mixture of fibres according to Claim 1 or 2 and shives.
- 35 7. Fibre according to Claim 6, characterized in that the weight fraction of the shives is less than 10%.
8. Fibre according to Claim 6, characterized in that the weight fraction of the shives is between 25 and 75%.
- 564  
A2 9. Additive for friction linings, containing fibres according to any of Claims 1 and 8 and tin sulphides.

*Sub B4*  
10. Additive according to Claim 9, characterized in that the weight fraction of the fibres is between 5 and 95% by weight.

*Sub A3*  
11. Friction lining, characterized in that it contains fibres according to any of Claims 1 to 8.

*Sub B5*  
12. Friction lining according to Claim 11, characterized in that tin sulphides are present in an amount of 0.5 to 90% by weight, based on the total amount of the lubricating materials.

*Sub A4*  
13. Gasket, characterized in that it contains fibres according to any of Claims 1 to 8.

14. Process for producing reinforcing and/or process fibres based on vegetable fibres, characterized in that the fibre material is ground in an eddied air grinder.

15. Process according to Claim 11, characterized in that the fibre material was ultrasonicated before grinding.

*Sub A5*  
16. Process according to Claim 11 or 12, characterized in that the starting material used is a fibre-shives mixture.